

FIG. 1



Replacement Sheet

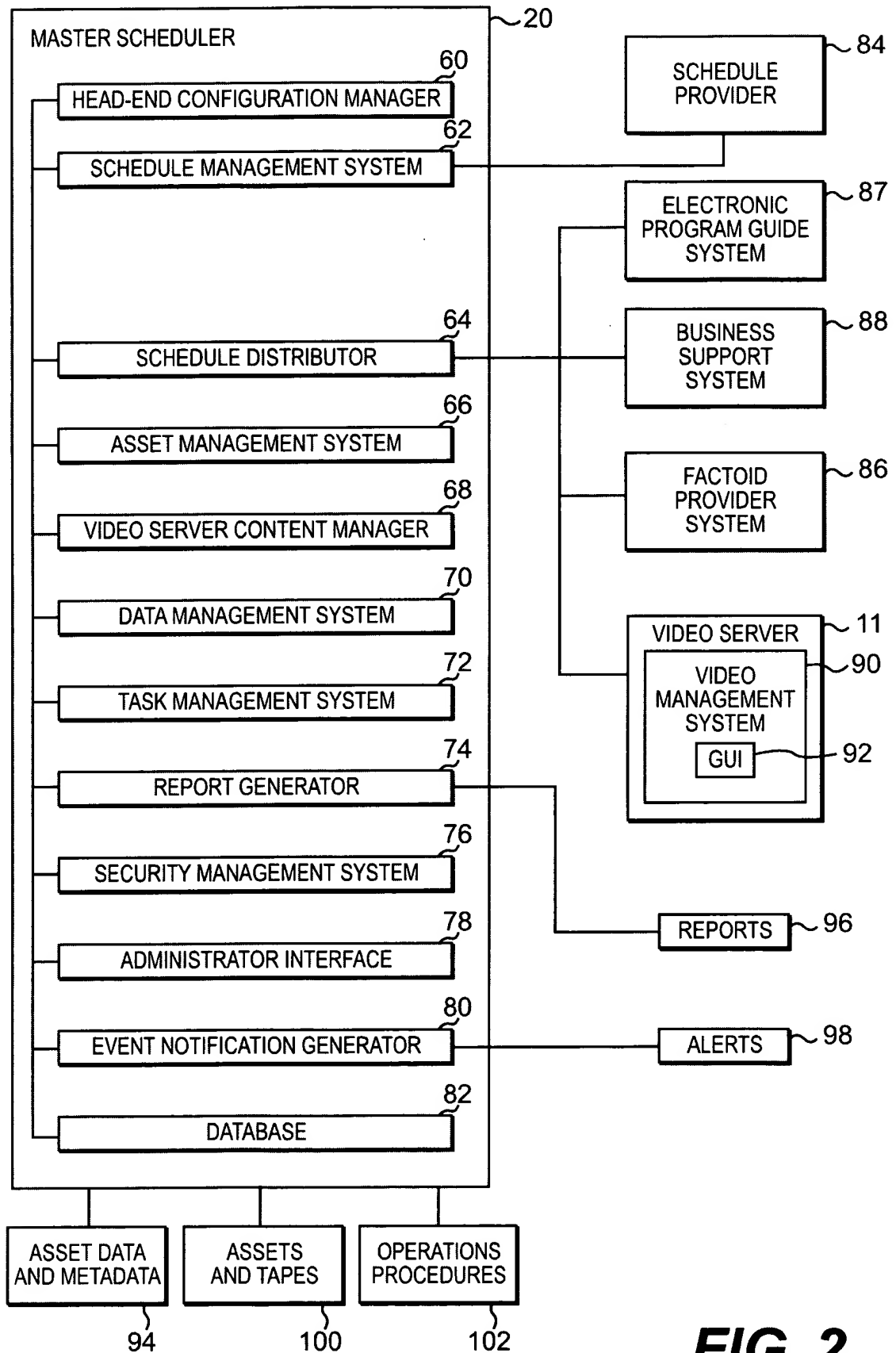


FIG. 2

104

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

ITEMS

ID	DESCRIPTION	EFFECTIVE DATE
1	ITEM #1	4/1/97
2	ITEM #2	5/1/97
3	ITEM #3	5/1/97

PORTS

ID	DESCRIPTION	EFFECTIVE DATE
1	PORT #1	5/1/97
2	PORT #2	5/1/97
3	PORT #3	6/1/97
4	PORT #4	6/1/97
5	PORT #5	6/1/97

FIG. 3

106

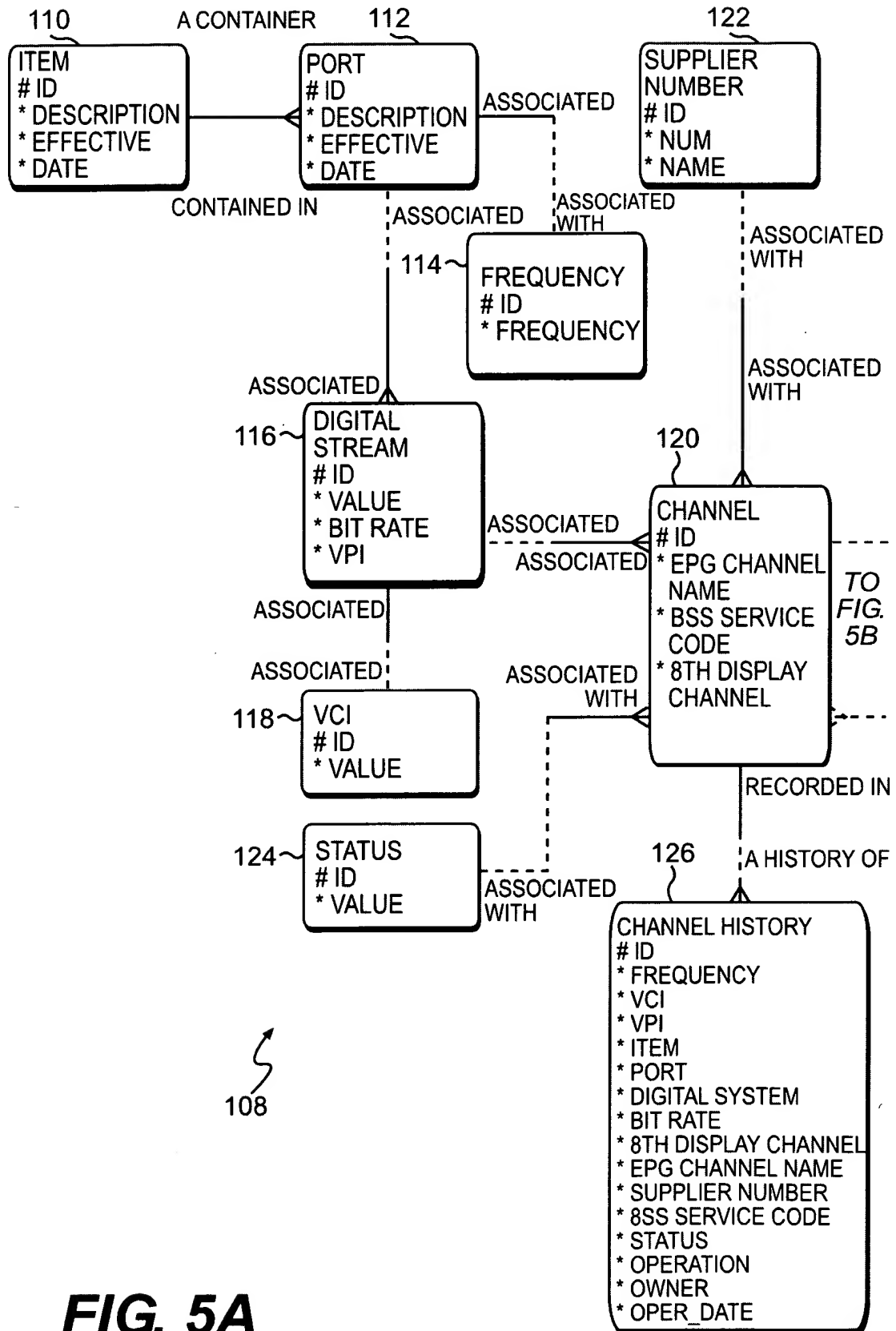
FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

LINEUP NAME	LINEUP VERSION	STATUS
FEB LINEUP	1	FINALIZED
MARCH LINEUP	4	BEING DISTRIBUTED
APRIL LINEUP	1	WIP

ORGANIZATION	DISTRIBUTED (Y/N)	DISTR. DATE	CONFIRMED (Y/N)	CONFIRM DATE	REMARKS
EPG	Y	2/4/97	Y	2/5/97	PHONE CALL FROM JOHN
BSS	Y	2/5/97	N		SENT A FAX

FIG. 4

Replacement Sheet



Replacement Sheet

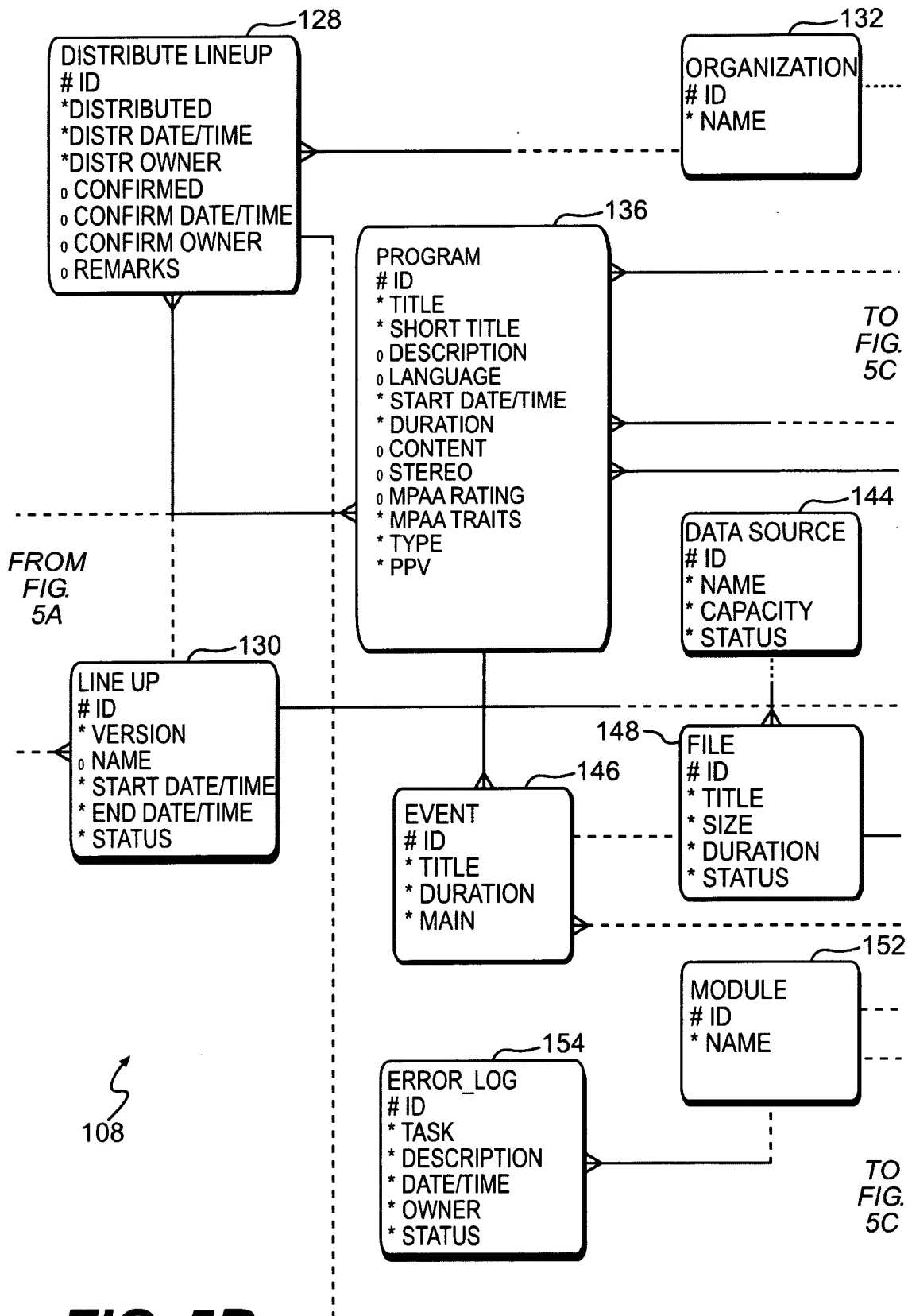


FIG. 5B

Replacement Sheet

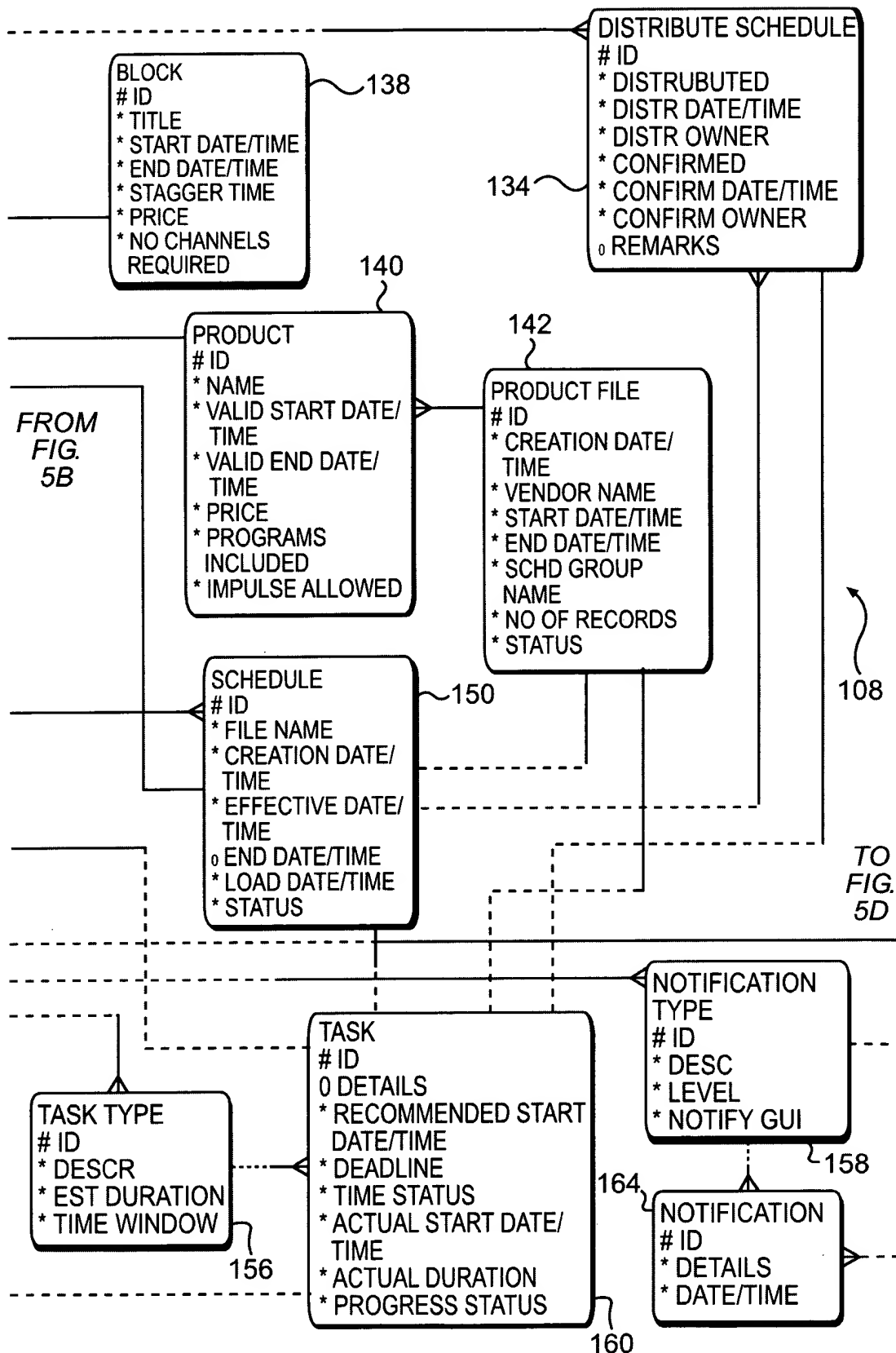


FIG. 5C

Replacement Sheet

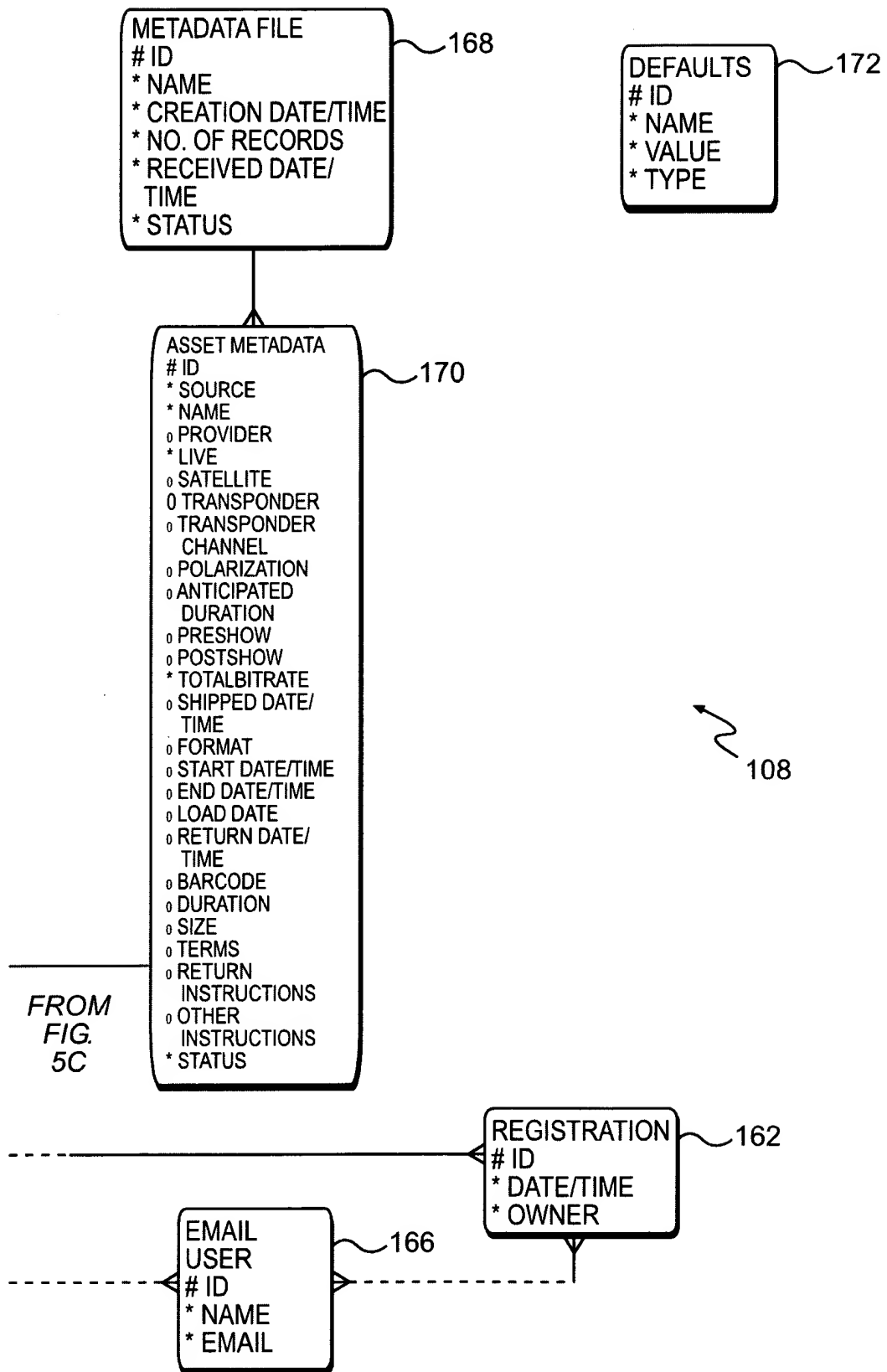


FIG. 5D

Replacement Sheet

```

--TO ENSURE UNIFORM SIZE OF DATA TYPES,
WE USE SOME DOMAINS
-Small Id          -number(4,0)
-Small Char       -Varchar2(15)
-Med Char         -Varchar2(100)
-Date

CREATE TABLE items (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date not null
);

CREATE TABLE frequencies (
  id          number(4,0) primary key,
  frequency   number(4,0) not null --in MHz
);

CREATE TABLE ports (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date not null,
  freq_id number (4,0) not null references frequencies,
  item_id      number(4,0) not null references items
);

CREATE TABLE digital_streams (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  bit_rate    varchar2(15) not null,
  vpi         number(4,0) not null,
  port_id     number(4,0) not null references ports,
  vci_id      number(4,0) not null references vci
);

CREATE TABLE supplier_numbers (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  name        varchar2(15) not null
);

CREATE TABLE vci (
  id          number(4,0) primary key,
  value       number(4,0) not null
);

CREATE TABLE status (
  id          number(4,0) primary key,
  value       varchar(15) not null
);

CREATE TABLE channels(
  id          number(4,0) primary key,
  epq_channel_name varchar2(100) not null,
  bss_service_code number(6,0) not null,
  sib_display_channel number(4,0) not null,
  dig_stream_id  number(4,0) not null references digital_streams,
  sup_num_id     number(4,0) not null references supplier_numbers,
  stat_id        number(4,0) not null references status
);

CREATE TABLE line_ups (
  id          number(4,0) primary key,
  name        varchar2(15) not null,
  version     varchar2(15) not null,
  start_date time date,
  end_date   time date,
  stat_id    number(4,0) not null references status
);

```

FIG. 6

Replacement Sheet

ANALOG FREQUENCY	VCI (33-1024)	VPI (FIXED)	ITEM #	ITEM PORT	DIGITAL STREAM	BIT RATE	STB LED CHANNEL DISPLAY	EPG CHANNEL NAME	ITC PAL FILE NAME	SUPPLIER NUMBER	RELATIVE CHANNEL NUMBER	BSS. SERVICE CODE	SERVICE HANDLE (CODE +32K)
666 MHz	33	0	1	1	1	4.5Mbps	201	AT01	V026mmw	026	1	801	33569
666 MHz	34	0	1	1	2	4.5Mbps	202	AT02	V026mmw	026	2	802	33570
666 MHz	35	0	1	1	3	4.5Mbps	203	AT03	V026mmw	026	3	803	33571
666 MHz	36	0	1	1	4	4.5Mbps	204	AT04	V026mmw	026	4	804	33572
666 MHz	37	0	1	1	5	4.5Mbps	205	AT05	V026mmw	026	5	805	33573
672 MHz	38	0	1	2	1	4.5Mbps	206	AT06	V026mmw	027	1	806	33574
672 MHz	39	0	1	2	2	4.5Mbps	207	AT07	V026mmw	027	2	807	33575
672 MHz	40	0	1	2	3	4.5Mbps	208	AT08	V026mmw	027	3	808	33576
672 MHz	41	0	1	2	4	4.5Mbps	209	AT09	V026mmw	027	4	809	33577
672 MHz	42	0	1	2	5	4.5Mbps	210	AT10	V026mmw	027	5	810	33578
678 MHz	43	0	1	3	1	4.5Mbps	211	AT11	V026mmw	028	1	811	33579
678 MHz	44	0	1	3	2	4.5Mbps	212	AT12	V026mmw	028	2	812	33580
678 MHz	45	0	1	3	3	4.5Mbps	213	AT13	V026mmw	028	3	813	33581
678 MHz	46	0	1	3	4	4.5Mbps	214	AT14	V026mmw	028	4	814	33582
678 MHz	47	0	1	3	5	4.5Mbps	215	AT15	V026mmw	028	5	815	33583
684 MHz	48	0	1	4	1	4.5Mbps	216	AT16	V026mmw	029	1	816	33584
684 MHz	49	0	1	4	2	4.5Mbps	217	AT17	V026mmw	029	2	817	33585
684 MHz	50	0	1	4	3	4.5Mbps	218	AT18	V026mmw	029	3	818	33586
684 MHz	51	0	1	4	4	4.5Mbps	219	AT19	V026mmw	029	4	819	33587
684 MHz	52	0	1	4	5	4.5Mbps	220	AT20	V026mmw	029	5	820	33588
690 MHz	53	0	1	5	1	4.5Mbps	221	AT21	V026mmw	030	1	821	33589
690 MHz	54	0	1	5	2	4.5Mbps	222	AT22	V026mmw	030	2	822	33590
690 MHz	55	0	1	5	3	4.5Mbps	223	AT23	V026mmw	030	3	823	33591
690 MHz	56	0	1	5	4	4.5Mbps	224	AT24	V026mmw	030	4	824	33592
690 MHz	57	0	1	5	5	4.5Mbps	225	AT25	V026mmw	030	5	825	33593

FIG. 7

Replacement Sheet

HEADER Record
SERVICE (Channel) Record
PROGRAM Record
EVENT Record
EVENT Record
EVENT Record
SERVICE (Channel) Record
PROGRAM Record

FIG. 8

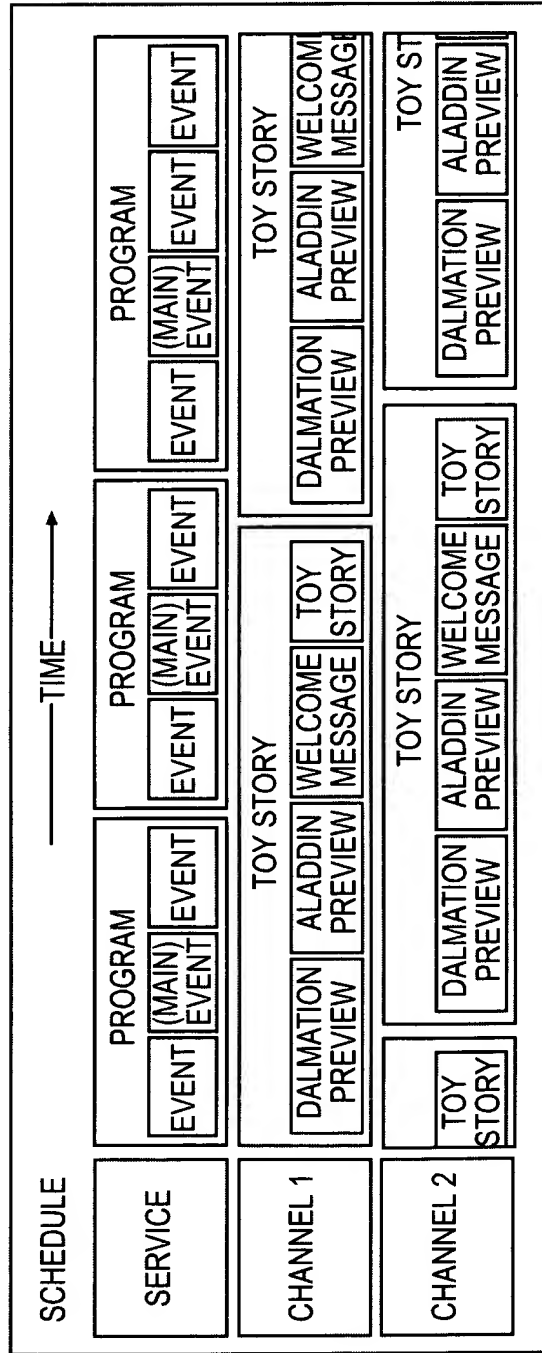


FIG. 9

174

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

NAME

FEB SCHEDULE - VERSION 2

STATUS

ACTIVE

NVOD 1

TOY STORY
EVERY 15 MINUTES

NVOD 2

MISSION IMPOSSIBLE
EVERY 30 MINUTES

NVOD 3

DENNIS
EVERY 60 MINUTES

FEB 6FEB 7FEB 8FEB 9FEB 10FEB 11

PREV MONTHNEXT MONTH

FIG. 10

176

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

NAME

MAY SCHEDULE - VERSION 2

STATUS

WIP

	MAY 8, 1997		
NVOD 1	TOY STORY	JULIA CHILD	
NVOD 2	NBA PLAYOFFS	MISSION IMPOSSIBLE	
WCBS	DENNIS	STAR WARS	

6PM 6:30PM 7PM 7:30PM 8PM 8:30PM

MONTH BEGINPREV DAYNEXT DAYMONTH END

FIG. 11

178

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

TITLE

GONE WITH THE WIND ▾

FROM

2/16/97

12.00AM

INTERVAL

6:00PM

PRICE

\$2.95

TO

3/16/97

12.00PM

TO

11:00PM

DATE	STARTING TIME	STB DISPLAY	CHANNEL NAME	CURRENT PRICE
2/16/97	9:30PM	202	NVOD1	3.25
2/18/97	10:00PM	203	NVOD2	2.25

UPDATE PRICE

SELECT ALL

FIG. 12

178

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS			
SCHEDULE	VERSION	STATUS	▲
FEBRUARY SCHEDULE	1	FINALIZED	
MARCH SCHEDULE	1	WIP	▼

ORGANIZATION	DISTRIBUTED (Y/N)	DISTR. DATE	CONFIRMED (Y/N)	CONFIRM DATE	REMARKS
EPG	Y	2/4/97	Y	2/5/97	PHONE CALL FROM JOHN
BSS	Y	2/5/97	N	2/3/97	SENT A FAX
VIDEO SERVER	Y	2/3/97	Y		

BEGIN DISTRIBUTION

FIG. 13

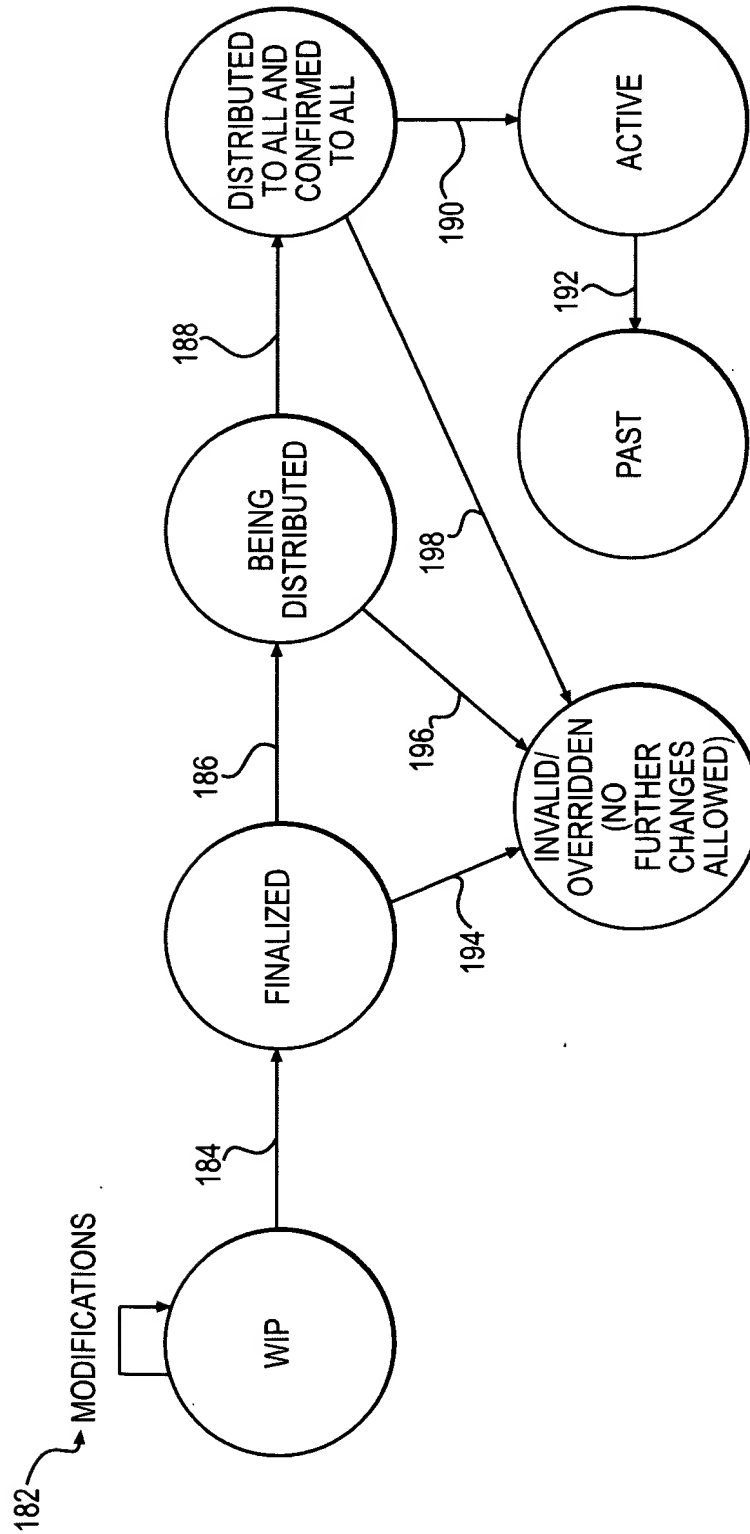
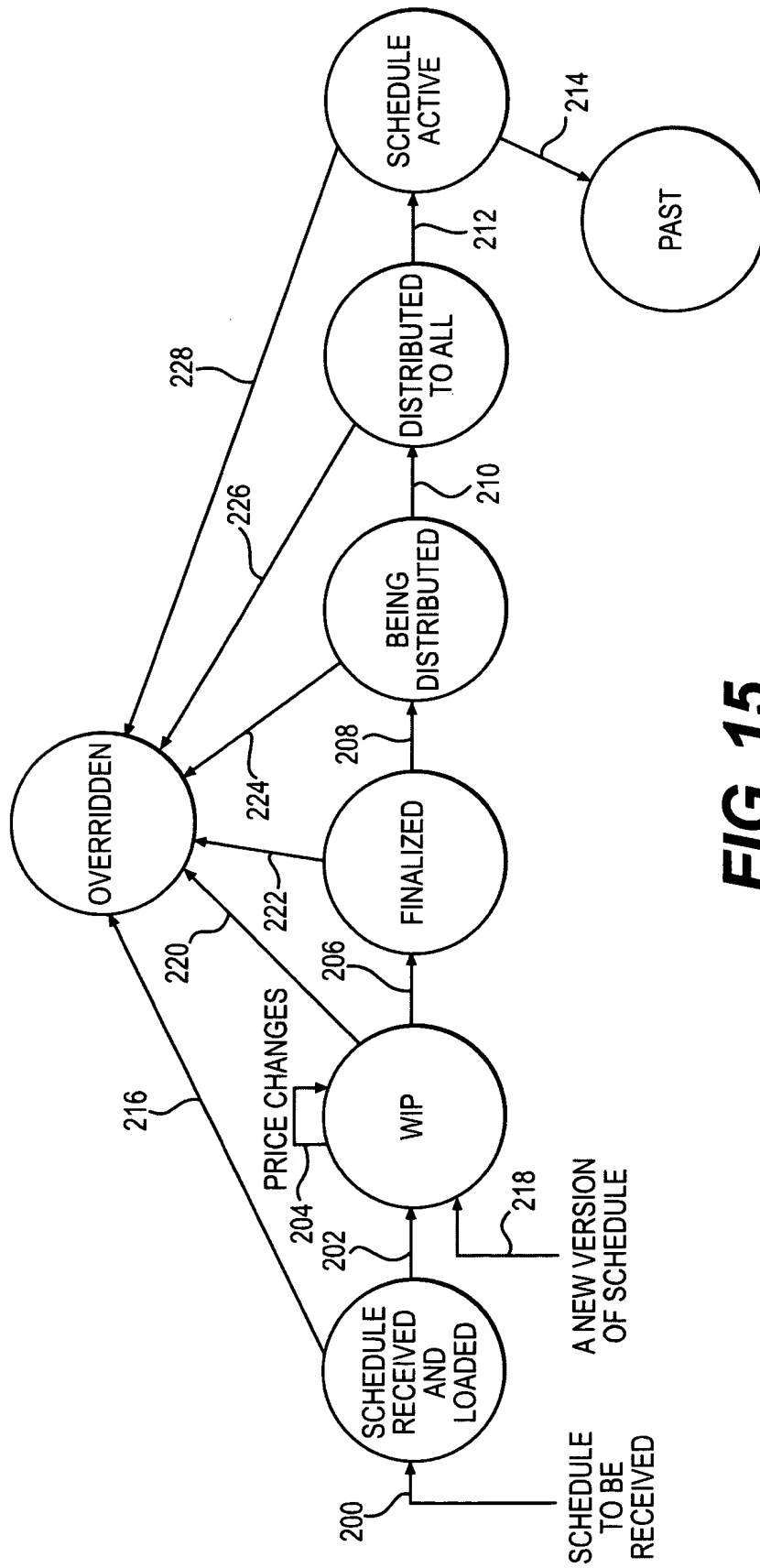


FIG. 14



Replacement Sheet

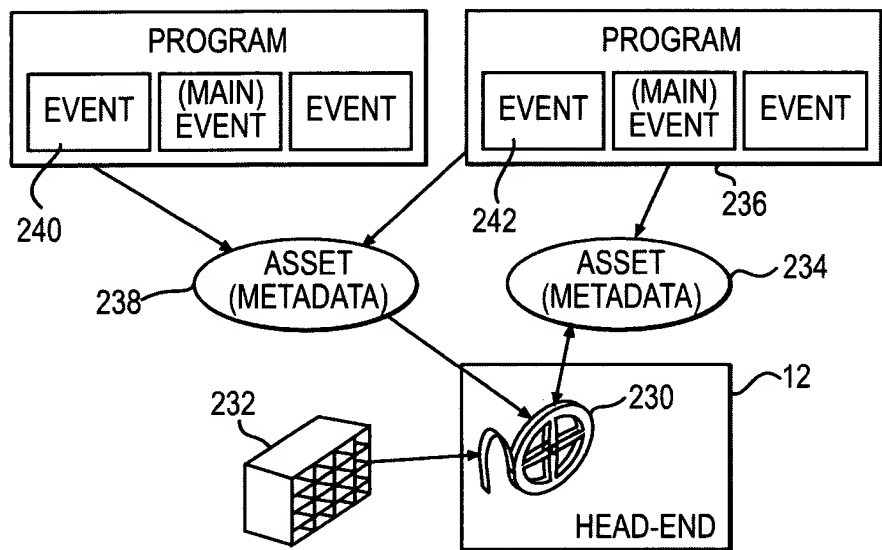


FIG. 16

HEADER Record
ASSET METADATA Record
ASSET EVENT Record
ASSET EVENT Record
ASSET EVENT Record
ASSET METADATA Record
ASSET EVENT Record

FIG. 17

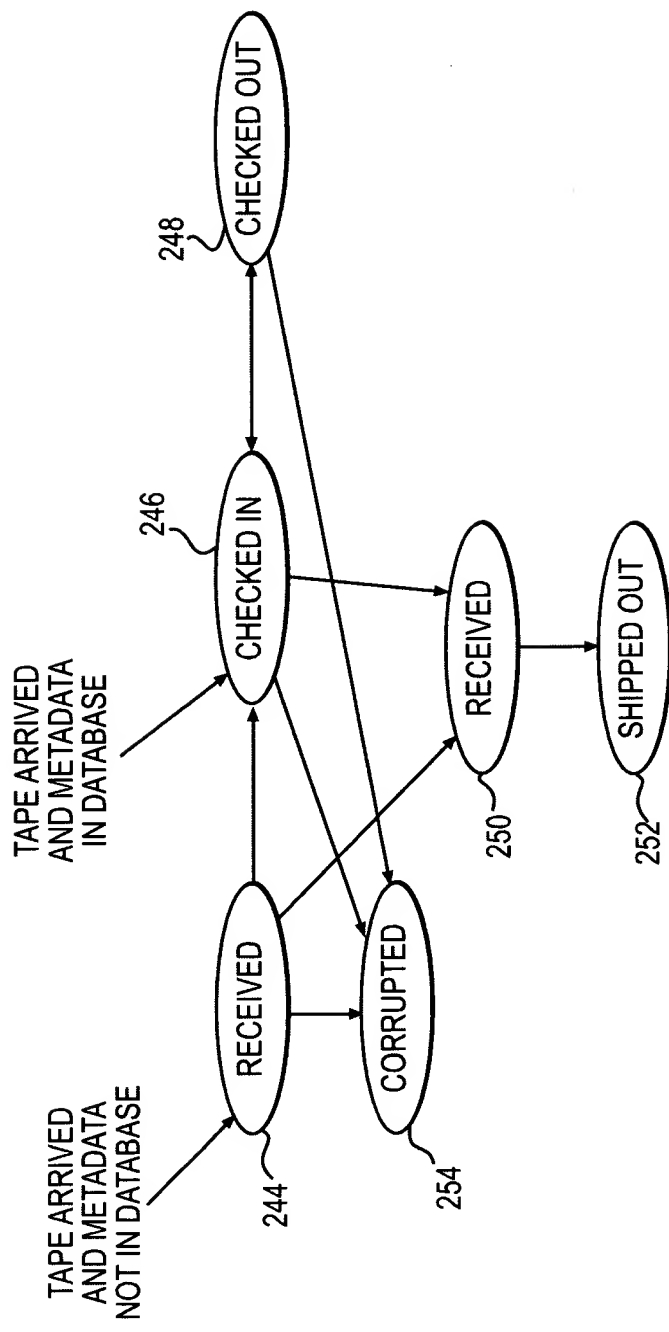


FIG. 18

FIG. 19

TAPE OPERATIONS

VIEW

EDIT

REFRESH

PRINT

SAVE

MODE

DATA

RECEIVE TAPE

CHECK IN

CHECK OUT

RETURN TAPE

MARK AS CORRUPT

GENERATE CONFIGURATION LETTER

MOVE TAPE

SEARCH

BROWSE LIBRARY

GENERATE RETURN LETTER

SHOW HISTORY

SHOW ASSET MAETADATA

EDIT MODE

TAPE DATA

BARCODE	TAPE NAME	LOCATION	STATUS	SCHEDULED TO BE LOADED?
AB	AB	SLOT01:Xrated:floor2:	RECEIVED	NO
123455	123455-NAME UNKNOWN	SLOT01:shelf1:floor1:M	CORRUPT	NO

TAPE DETAILS

BARCODE:

TAPE NAME:

LOCATION:

COMMENTS:

AUTO GENERATE

BROWSE

OK

CANCEL

Replacement Sheet

FILE EDIT SCHEDULE CONTENT TASKS CONFIGURE ASSET		-	☐	×							
TAPE OPERATIONS		<div><input type="checkbox"/> VIEW MODE <input type="checkbox"/> EDIT MODE <input type="checkbox"/> REFRESH DATA <input type="checkbox"/> PRINT <input type="checkbox"/> SAVE <input type="checkbox"/> INPUT RECORD <input type="checkbox"/> DELETE RECORD <input type="checkbox"/> FIRST RECORD <input type="checkbox"/> PREVIOUS RECORD <input type="checkbox"/> NEXT RECORD <input type="checkbox"/> LAST RECORD</div>									
EDIT MODE											
NAME	WONDER 3										
TOTAL BITRATE	6000000										
SOURCE	2										
PROVIDER ASSET ID	WONDER3										
DURATION	30										
SHIPPED DATE/TIME	03/30/1997 12:00:00AM										
LOAD DATE/TIME	03/31/1997 12:00:00AM										
RETURN DATE/TIME	05/30/1997 12:00:00AM										
BARCODE	BARCODE 15										
ASSET METADATA SIZE	6000000										
RETURN INSTRUCTIONS	ASSET RETURN INSTRUCTIONS FOR ADVENTURES EPISODES										
OTHER INSTRUCTION	OTHER INSTRUCTIONS FOR ADVENTURES 3										

FIG. 20

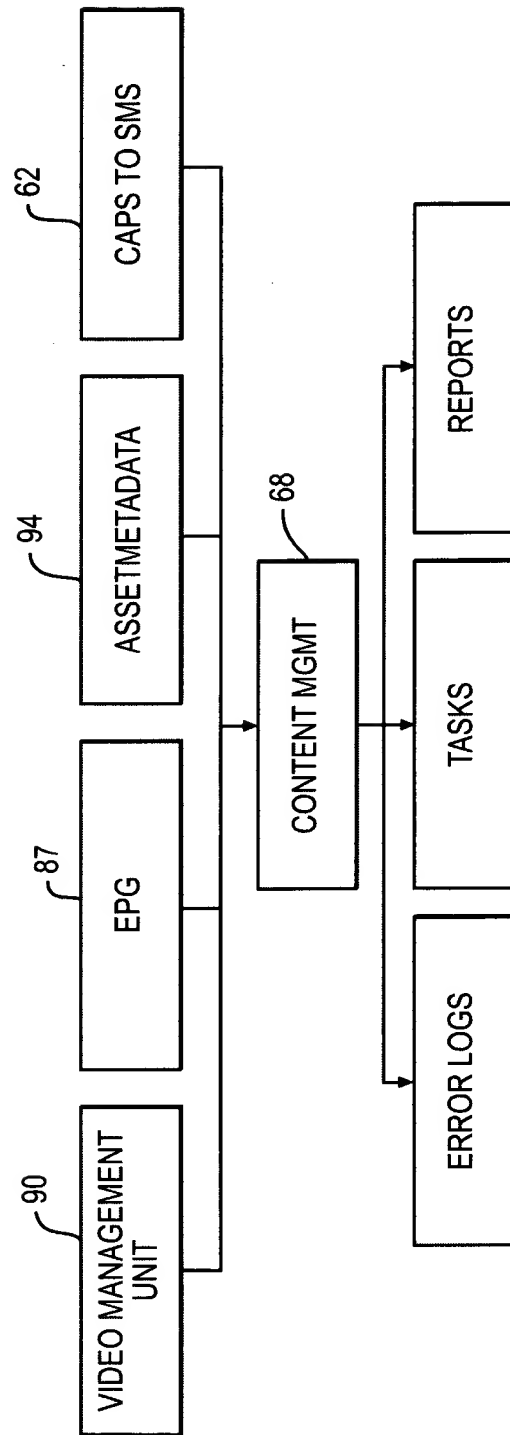


FIG. 21

256

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

IMPORT AND LOAD FROM AMERICAST

LOAD FILES

ALL FILES

YES

SCHEDULE

CAPS-SMS

ASSET METADATA

YES

YES

YES

BEGIN LOAD

LOAD LOCAL FILE

FILE NAME

C:\SCHEDULESIMAY97

BROWSE ...

BEGIN LOAD

FIG. 22

258

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

LAST UPDATED 2/11/97

NAME	CAPACITY	REMAINING	STATUS	LAST UPDATED
DATA SOURCE 1	100 GB	13 GB	AVAILABLE	2/8/97
DATA SOURCE 2	100 GB	87 GB	AVAILABLE	2/3/97
DATA SOURCE 3	100 GB	99GB	DOWN	2/11/97

CHECK STATUS

FIG. 23

260

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

LAST UPDATED 2/11/97

ASSET ID	NAME	SCHEDULED TO BE LOADED ON	SERVER STATUS	TASK STATUS
12345	TOY STORY	2/3/97	LOADED	LOADED
17865	POCAHONTAS	2/8/97	UNLOADED	LOADED
761209	GARDENING	2/11/97	LOADED	LOADED

CHECK STATUS

PLAY ON TEST CHANNEL

FIG. 24

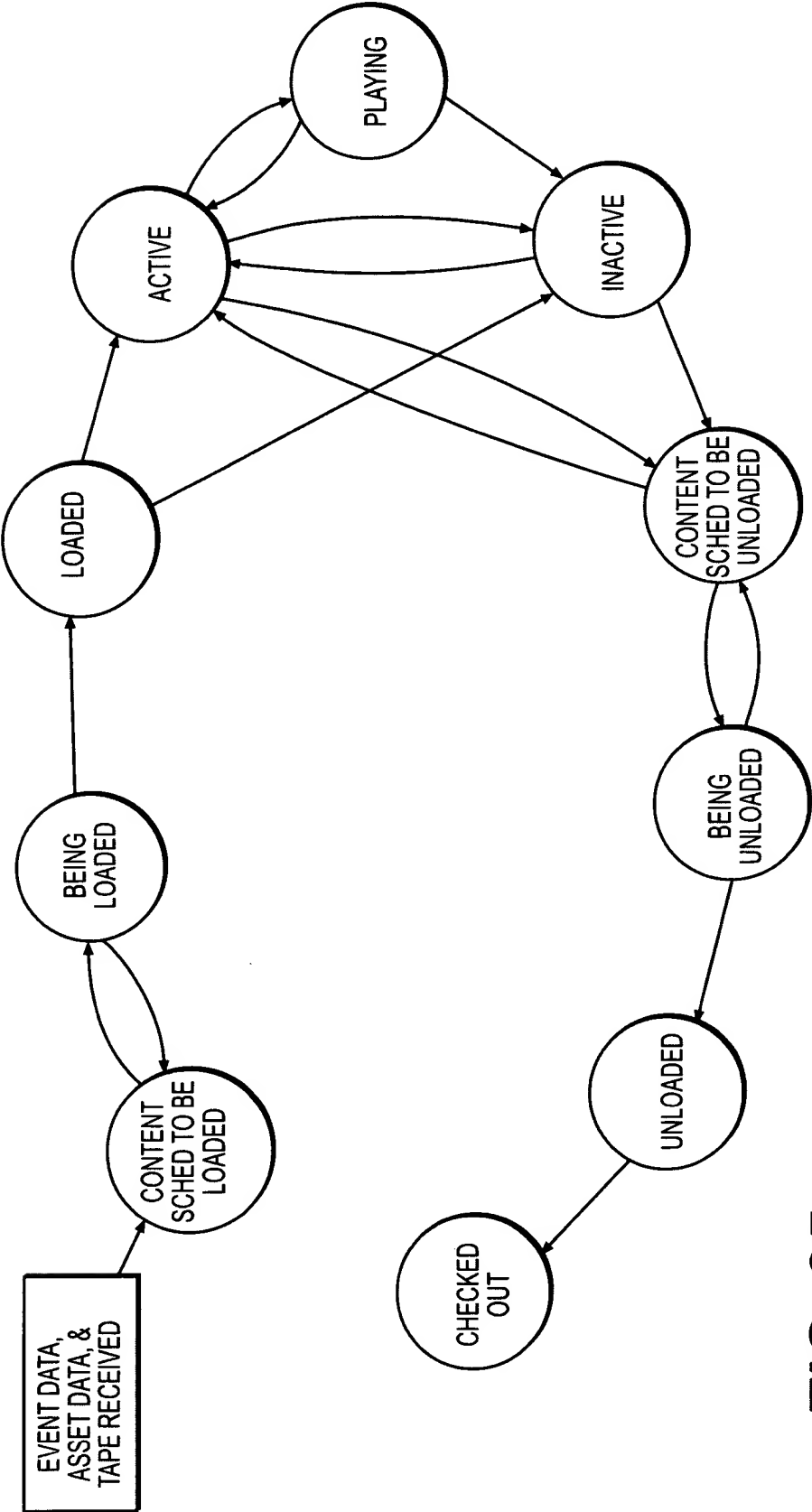


FIG. 25

FIG. 26

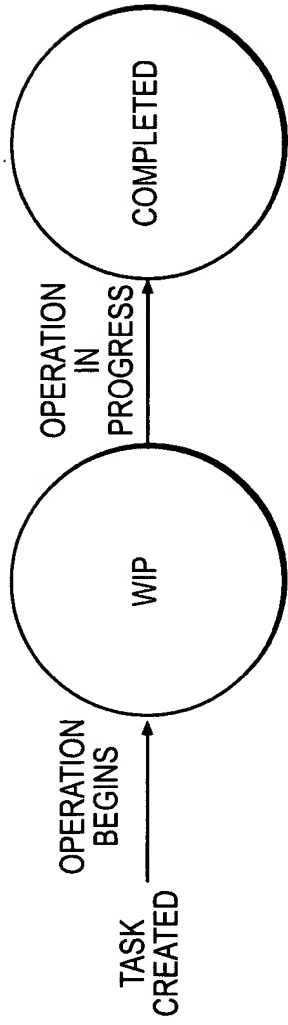


FIG. 27

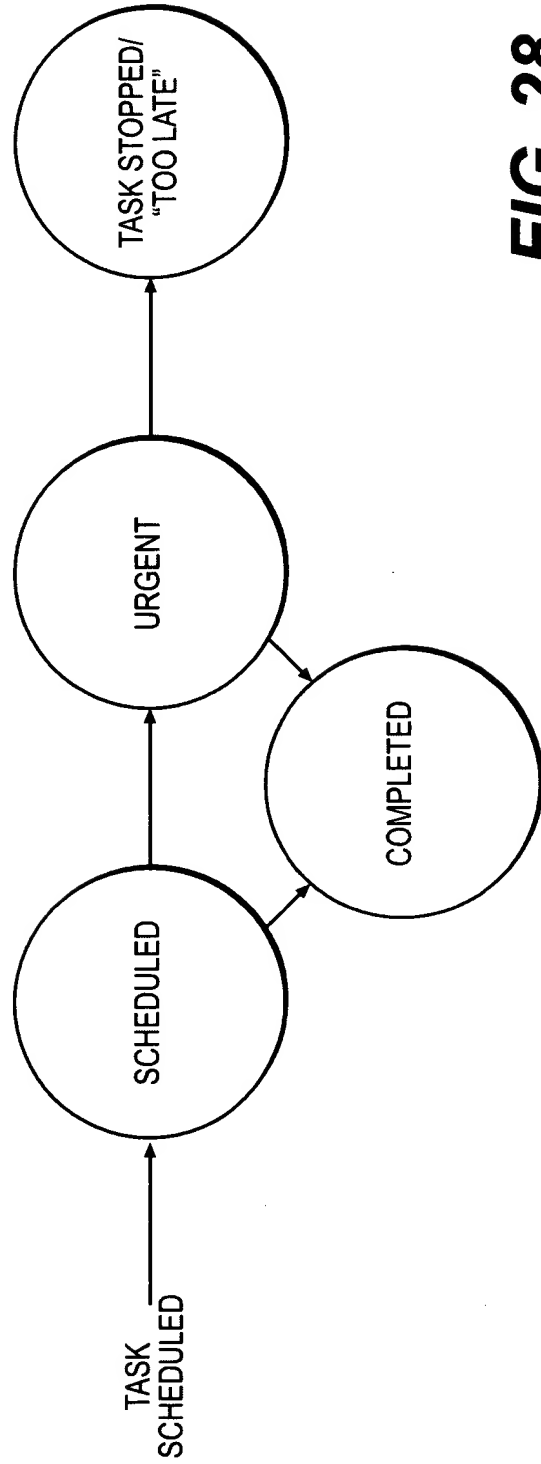


FIG. 28

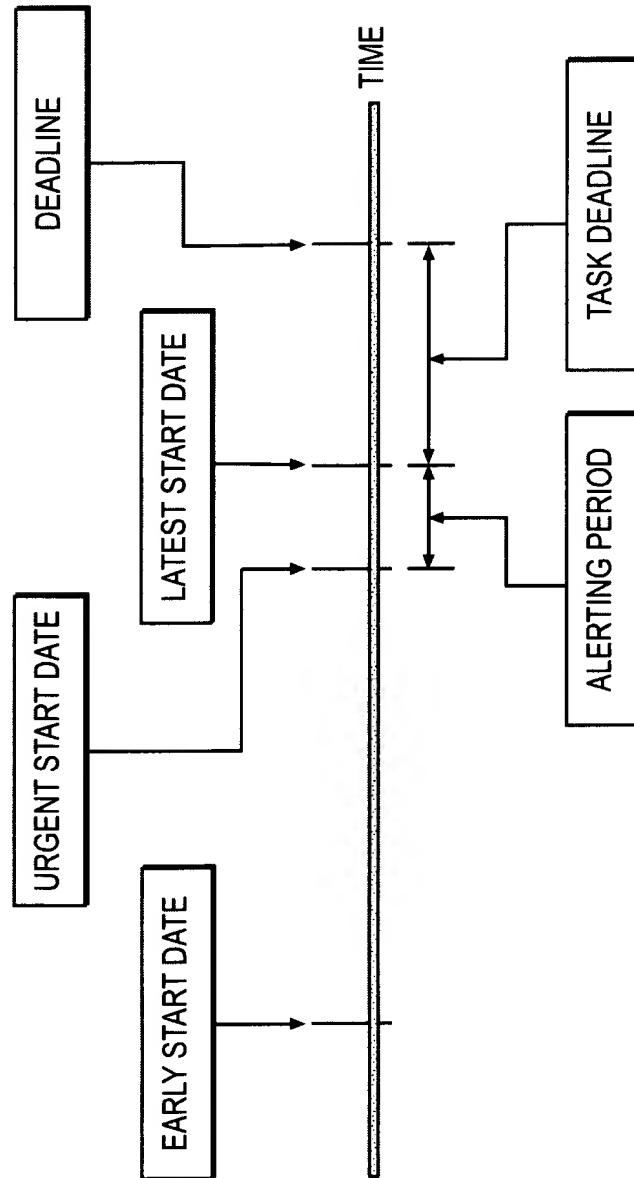


FIG. 29

300

<u>FILE</u>		<u>EDIT</u>	<u>MANAGE</u>	<u>CONFIGURE</u>	<u>ADMINISTER</u>	<u>REPORTS/LOGS</u>
SAVE PRINT IMPORT/LOAD EXIT		SYSTEM PARAMETERS PREFERENCES NOTIFICATIONS	SCHEDULE... CONTENT... TASK	HEADEND	NOTIFICATIONS ERROR LOGS CHANNEL LINEUP SERVER CONTENT TASKS SCHEDULE ASSET	

FIG. 30

302

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

DELETE RECORDS

FROM1/16/97

TO2/16/97

TABLE NAME	EARLIEST DATE	NUMBER OF RECORDS MARKED FOR DELETION
PROGRAMS	2/1/97	345
EVENTS	2/1/97	2765
TASKS	2/3/97	125

SUBMIT

FIG. 31

304

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

SCHEDULE

NAME	VALUE
DEFAULT PRICE	2.95
MINIMUM DISTRIBUTION TIME TO TVDATA	12 (HOURS)
MINIMUM DISTRIBUTION TIME TO BSS	8 HOURS

HARDWARE CONFIGURATION

NAME	VALUE
MAXIMUM VCI	999
MAXIMUM STB DISPLAY CHANNEL	999
MAXIMUM CHANNEL FREQUENCY	800(MHz)

CONTENT

NAME	VALUE
MINIMUM LOADING TIME	2.95
	12 (HOURS)
	8 HOURS

FIG. 32

306

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS						
ID	MODULE	EVENT	NORMAL/ALERT	NOTIFY GUI (Y/N)	SEND TO PRINTER (Y/N)	
1	SCHEDULE MANAGEMENT	SCHEDULE COULD NOT BE VALIDATED	ALERT	YES	YES	
2	SCHEDULE DISTRIBUTION	SYSTEM CANNOT COMMUNICATE WITH TVDATA	ALERT	NO	NO	
3	CONTENT MANAGEMENT	ASSET NOT LOADED ON VIDEO SERVER BY DUE DATE	ALERT	YES	NO	
4	SCHEDULE MANAGEMENT	SCHEDULE HAS BEEN CHANGED	NORMAL	YES	YES	

FIG. 33

308

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

TASKS

NAME	AUTOMATIC/ MANUAL	Δ
IMPORT SCHEDULE FROM AMERICAST	AUTOMATIC	
IMPORT CAPS-SMS FROM AMERICAST	AUTOMATIC	
IMPORT ASSET METADATA FROM AMERICAST	AUTOMATIC	
DISTRIBUTE SCHEDULE TO TVDATA	MANUAL	
		▽

FIG. 34

310

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

DISPLAY TASKS FROM:

2/16/97

TO:

3/16/97

FUNCTIONAL AREA	DESCR	RECOMMENDED START DATE	EST. DURATION	DEADLINE	STATUS	ACTUAL START DATE	ACTUAL END DATE	PROGRESS STATUS
CONTENT MGMT	LOAD "STAR WARS" ON DATA SOURCES 2	2/25/97	1 HOUR	3/1/97	URGENT			NO ACTION
CONTENT MGMT	LOAD "TOY STORY" ON DATA SOURCE 1	3/1/97	6 HOURS	3/10/97	SCHEDULED			NO ACTION
SCHEDULE MGMT	DISTRIBUTE APRIL SCHEDULE (VERSION 1) TO BSS	2/24/97	1 HOUR	3/11/97	SCHEDULED	2/24/97		WIP

FIG. 35